

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S158	5	US-4509904-\$.DID. OR US-5071453-\$.DID. OR US-5988165-\$.DID. OR US-6302107-\$.DID. OR US-6386235-\$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 01:26
S159	16	((LENOIR) near2 (ZAISER)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 02:26
S160	11	((KEVIN) near2 (CONFOY)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 02:27
S161	531	417/54.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 02:30
S162	1590	417/53.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 02:30
S163	324	417/225.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 08:45
S164	3	US-5170691-\$.DID. OR US-6295914-\$.DID. OR US-6776080-\$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 02:31
S165	79	S163 and motor	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 02:35
S166	248	417/226.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 11:59
S167	37	417/227.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 03:16
S168	577	417/403.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 03:04
S169	4	("3401520").URPN.	USPAT	OR	OFF	2007/01/26 03:10
S170	7	("2935952").URPN.	USPAT	OR	OFF	2007/01/26 03:11
S171	34	("1019521"   "2243978"   "2356917"   "2762307"   "2807215"   "2845030"   "2876704"   "2935952"   "3133503"   "3314367"   "3323461"   "3811798"   "4286927"   "4342544"   "4363211"   "4465438"   "4583921").PN. OR ("4734013").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 03:17
S172	7	("2935952").URPN.	USPAT	OR	OFF	2007/01/26 03:19
S173	7	("2935952").URPN.	USPAT	OR	OFF	2007/01/26 03:22
S174	0	("2865294").URPN.	USPAT	OR	OFF	2007/01/26 03:22
S175	0	("2865294").URPN.	USPAT	OR	OFF	2007/01/26 03:22
S176	25	("2807215").URPN.	USPAT	OR	OFF	2007/01/26 03:23
S177	4	("4676724").URPN.	USPAT	OR	OFF	2007/01/26 03:23
S178	3	("2762307").URPN.	USPAT	OR	OFF	2007/01/26 03:25

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S17 9	19	("2454418"   "2728302"   "2934043"   "3090361"   "3165068"   "3391538"   "3426695"   "3508466").PN. OR ("3641881").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 03:25
S18 0	12	("3263702"   "4726282"   "4807515"   "4865291"   "4878647"   "5098061"   "5271598"   "5813313"   "5906222"   "6386841"   "6427576").PN. OR ("6736611").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 03:26
S18 1	10	("4726282").URPN.	USPAT	OR	OFF	2007/01/26 03:28
S18 2	4	("3401520").URPN.	USPAT	OR	OFF	2007/01/26 03:30
S18 3	3	("4401415").URPN.	USPAT	OR	OFF	2007/01/26 03:33
S18 4	111	ball same screw same piston same (dual or two) same chamber	USPAT	OR	OFF	2007/01/26 03:36
S18 5	42	ball same screw same piston same reciprocate	USPAT	OR	OFF	2007/01/26 03:41
S18 6	58412	"417".clas.	USPAT	OR	OFF	2007/01/26 03:42
S18 7	49	S186 and ((ball near2 screw) same piston)	USPAT	OR	OFF	2007/01/26 03:42
S18 8	58	("1019521"   "1858036"   "2155384"   "2243978"   "2356917"   "2762307"   "2807215"   "2845030"   "2876704"   "2935952"   "2948222"   "3133503"   "3314367"   "3323461"   "3811798"   "4286927"   "4342544"   "4363211"   "4465438"   "4583921"   "4761118"   "4822115"   "4883409"   "4896552"   "4938543"   "5004403"   "5015046"   "5029950"   "5147116"   "5188436"   "5253981"   "5309553"   "5328257"   "5415489"   "5641209"   "5788341").PN. OR ("4734013"   "6079797").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 04:23
S18 9	5	("3922115"   "4089624"   "4807724"   "5516429"   "6079797").PN. OR ("6510780").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 04:31
S19 0	17	("0745298"   "0850589"   "2702008"   "4390322").PN. OR ("4761118").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 04:31
S19 1	5	("2702008").URPN.	USPAT	OR	OFF	2007/01/26 04:39
S19 2	19	("1868498"   "2702008"   "3053186"   "3276673"   "3597121"   "3776665"   "3992131"   "4105369"   "4723894"   "4761118"   "4854822").PN. OR ("5464330").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 04:44

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S19 3	135	("3428828"   "3626670"   "3656873"   "3689204"   "3823724"   "3955901"   "3967809"   "4086653"   "4142524"   "4158530"   "4181245"   "4191646"   "4199307"   "4236880"   "4265601"   "4273121"   "4277226"   "4303376"   "4310141"   "4375346"   "4381005"   "4391600"   "4430048"   "4479760"   "4479761"   "4479762"   "4530759"   "4552552"   "4559044"   "4560472"   "4584061"   "4586920"   "4618343"   "4634430"   "4639245"   "4648810"   "4657490"   "4661246"   "4696671"   "4747828"   "4778356"   "4778451"   "4784576"   "4798580"   "4808161"   "4816019"   "4818186"   "4818190"   "4823552"   "4826482"   "4830586"   "4842584"   "4844074"   "4848722"   "4850805"   "4852851"   "4858883"   "4872813"   "4886432"   "4923598"   "4927411"   "4941519"   "4942735"   "4976162"   "5002471"   "5004459"   "5006050"   "5006997"   "5062774"   "5088515"   "5098262"   "5106366"   "5141493"   "5178182"   "5252044"   "5316452"   "5332372"   "5344292"   "5350357"   "5385540"   "5389243"   "5409355"   "5415528"   "5429485"   "5431626"   "5458468"   "5476368"   "5487649"   "5542919"   "5554013"   "5556263"   "5563584"   "5586868"   "5588816"   "5601420"   "5603354"   "5620312"   "5628908"   "5632606"   "5634896"   "5641405"   "5669764"   "5676530"   "5718569"   "5720313"   "5729653"   "5807075"   "5816779"   "5836908"   "5921951"   "5924975"   "5928196"   "5931647"   "5938634"   "5944495"   "5945831"   "5965433"   "5989423"   "6007310"   "6017194"   "6017198"   "6036668"   "6122972"   "6126403"   "6129699"). PN. OR ("6165154"   "6231320"   "6234992"   "6254567"   "6293926"   "6302653"   "6364857"   "6416293").PN. OR ("6953323").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 06:40
S19 4	11	("1099155"   "3168872"   "3631818"   "4008003"   "4479758"   "4599049"   "4941809"   "5015157"   "5482448").PN. OR ("5961303").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 08:38
S19 5	67	("3922149"   "4272265"   "4323370"   "4404005"   "4428372"   "4496376"   "4537607"   "4552571"   "4636226"   "4648888"   "4673415"   "4681099"   "4681602"   "4698075"   "4732587"   "4737170"   "4783205"   "4787417"   "4810265"   "4869733"). PN. OR ("5071453").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 08:41
S19 6	9	("4509904").URPN.	USPAT	OR	OFF	2007/01/26 08:44
S19 7	324	417/225.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 08:45
S19 8	1	S197 and (ball near2 screw)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 08:46
S19 9	248	(ball near2 screw) same motor same piston same valve	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 08:47
S20 0	401	(ball near2 screw) same piston same (dual or two)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 08:48
S20 1	43	S200 and reciprocate	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 08:50
S20 2	175	417/92.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 08:53
S20 3	3	("4326380"   "4741673").PN. OR ("5131819").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 08:52
S20 4	388	417/393.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 08:53

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S20 5	10	("0764156"   "3056353"   "4304529"   "4350022"   "4444547"   "4515516"   "4761118"   "5433240").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/26 08:56
S20 6	300	417/254.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 12:05
S20 7	1286	417/415.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 12:06
S20 8	28142	(thread or screw) NEAR5 BALL	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 12:34
S20 9	24	S207 and S208	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 12:13
S21 0	1	S206 and S208	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 12:13
S21 1	21	("0938004"   "1158030"   "1668099"   "2241957"   "2765976"   "2885963"   "3861223").PN. OR ("4111609").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 12:19
S21 2	25	("0671236"   "0956058"   "1724934"   "2175463"   "2392711"   "2966036"   "3164325"   "3232885"   "3500635"   "3939656"   "4087209"   "4111609").PN. OR ("4811558").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 12:27
S21 3	25	("0159533"   "2449930"   "2878990"   "2991003"   "3035879"   "4087209"   "4111609"   "4313714").PN. OR ("4627795").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 12:31
S21 4	324	S208 and (piston same reciprocate)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 12:35
S21 5	38	("3199341"   "3666141"   "3847507"   "3882861"   "3915651"   "3966358"   "4076458"   "4137913"   "4209258"   "4259038"   "4299541"   "4313075"   "4321014"   "4326837"   "4331262"   "4336000"   "4339699"   "4396385"   "4397610").PN. OR ("4566868").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 12:37
S21 6	2	US-US4036309-\$.DID. OR US-4208879-\$.DID. OR US-US4216700-\$.DID. OR US-5806404-\$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 12:39
S21 7	24	("1930155"   "2030966"   "2994345"   "3068596"   "3596561"   "4066189").PN. OR ("4208879").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 12:40
S21 8	4	("3865430"   "4750208"   "5533336"   "5678889").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 12:54
S21 9	15	("2403912"   "2587571"   "3095190"   "3595163"   "4896594"   "4898082"   "5031506"   "5140895"   "5253572").PN. OR ("5533336").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 17:57
S22 0	9	US-6000416-\$.DID. OR US-6196523-\$.DID. OR US-6349858-\$.DID. OR US-4543044-\$.DID. OR US-2711134-\$.DID. OR US-3183840-\$.DID. OR US-5468128-\$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 13:03
S22 1	3	US-4159784-\$.DID. OR US-4509904-\$.DID. OR US-4856967-\$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 13:07
S22 2	28	("1513422"   "1636614"   "1816403"   "2724963"   "2737804"   "3070023"   "3234882"   "3481587"   "3502001"   "3731530"   "3825122"   "4083228"   "4441862"   "4457210"   "4470771"   "4490096"   "4555220").PN. OR ("4856967").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 14:22

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S22 3	1	"4111609".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 17:58
S22 4	21	("0938004"   "1158030"   "1668099"   "2241957"   "2765976"   "2885963"   "3861223").PN. OR ("4111609").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/29 18:32